1 **SYSTEM AND METHOD FOR PROVIDING PERSONALIZED**
2 **WEATHER REPORTS AND THE LIKE**

3 **ABSTRACT OF THE DISCLOSURE**

4   A system and method for generating weather reports and the like
5 which are precisely computed automatically for a particular individual user's
6 geographic location and which are provided automatically to the individual user. A
7 user establishes an individualized user profile in which the user defines a particular
8 location of interest, a contact address, and optionally, a personalized activity
9 weather condition profile, establishing a preferred weather condition profile for
10 activities of interest. A detailed and accurate weather forecasting model is run to
11 provide high geographical and temporal resolution forecast data. The resulting
12 modeled forecast data may be constrained by an operator using a constrainer
13 module. The high resolution forecast data is compared to the individual user profile
14 and a personalized weather report for the particular location, times, and conditions
15 of interest are provided automatically to the individual, *e.g.*, via e-mail and/or at a
16 personalized internet web page. A detailed weather forecast report may be
17 provided in an easily readable tabular form, with notable weather conditions, *e.g.*,
18 daily high and low temperatures, highlighted. The high resolution forecast data
19 may be generated locally for a limited region, *e.g.*, at a television station for the
20 station's viewing area, using initialization conditions provided from a central
21 location, and/or for a wider region, *e.g.*, the entire country, using a less high
22 resolution weather forecast module.

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